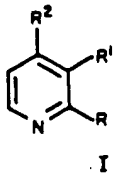
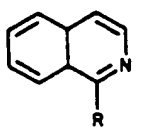
6001 Chemical Abstracts, Columbus, Ohio, US
XP-002087199 Vol.: 76 (1972) June 19 No. 25.
Page: 464.

153704b **Convenient synthesis of dialkylamino derivatives of N-heteroaromatic compounds.** Pozharskii, A. F.; Zvezdina, E. A.; Sokolov, V. I.; Kashparov, I. S. (Rostov-on-Don State Univ., Rostov-on-Don, USSR). *Chem. Ind.* (*London*) 1972, (6), 256 (Eng). 2-Aminopyridine was treated with $NaNH_2$ and


I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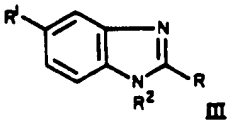
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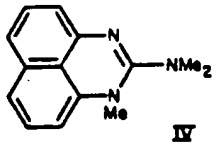
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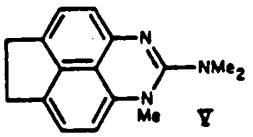
V

the resulting anion treated with MeI to give 55% 2-(dimethyl amino)pyridine (I, R = Me_2N, R^1 = R^2 = H). I (R = Et_2N, R^1 = R^2 = H; R = R^2 = H, R^1 = Me_2N; R = R^1 = H, R^2 = Me_2N; R = R^1 = H, R^2 = Et_2N), isoquinolines (II, R = Me_2N, Et_2N, Pr_2N), benzimidazoles (III, R = Me_2N, R^1 = H, R^2 = Me; R = Et_2N, R^1 = H, R^2 = Et; R = Pr_2N, R^1 = H, R^2 = Et; R = Bu_2N, R^1 = H, R^2 = Et; R = H, R^1 = Me_2N, R^2 = Me), the perimidine (IV), and the cyclopenta[*g*,*h*]-perimidine (V) were prepd. (22–90%) by treating the aryl amine with Na or NaH or by treating the aryl azide with Na to give the dianion, which was treated with MeI, EtBr, PrI, or BuBr.

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